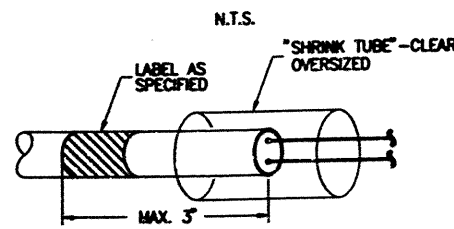


TYPICAL CABLE LABELING METHOD



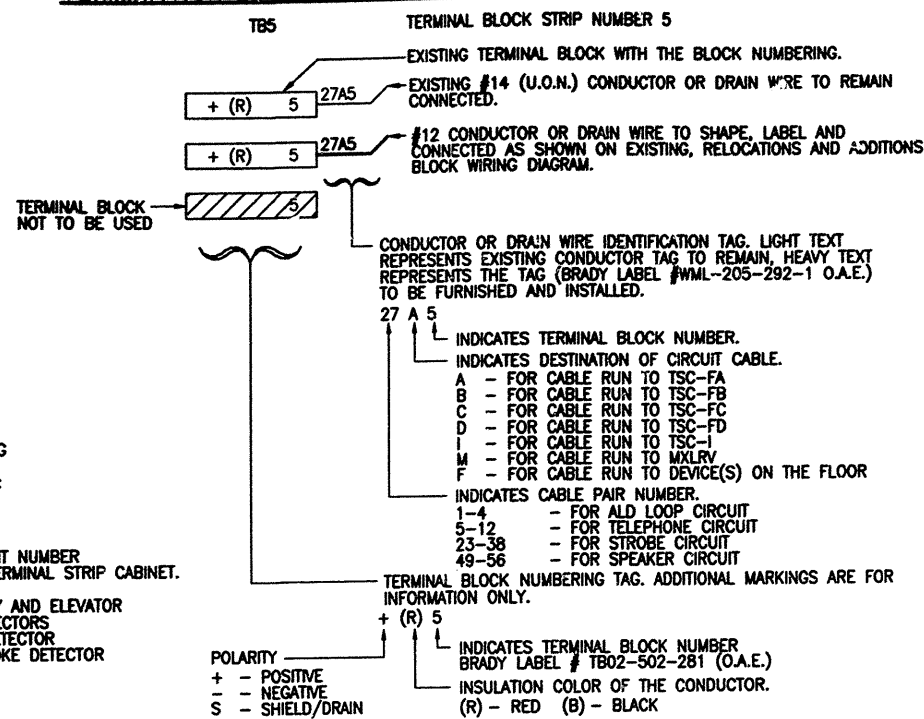
- APPLY LABEL TO OUTER JACKET OF CABLE MAXIMUM OF 3" FROM STRIPPED END AS SHOWN NOT TO BE COVERED BY OVERSIZED SHRINK TUBE.
- DETAIL APPLIES TO ALL CABLE TYPES

CIRCUIT LEGEND:

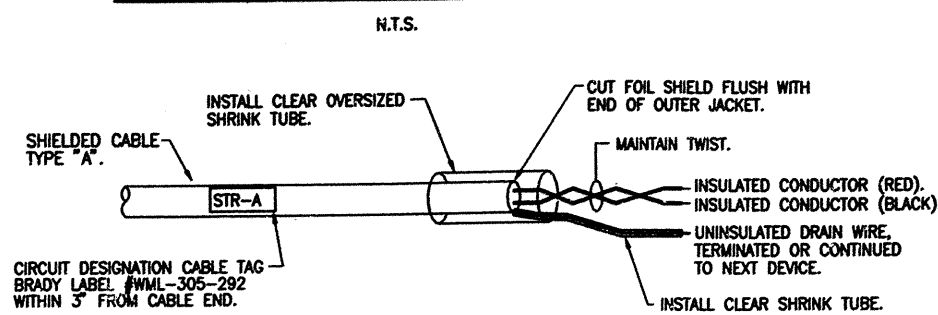
CIRCUIT DESIGNATION
STR-A CABLE IDENTIFICATION TAG; LIGHT TEXT REPRESENTS EXISTING CABLE TAG TO REMAIN, HEAVY TEXT REPRESENTS THE TAG (BRADY LABEL #WML-305-292 O.A.E.) TO BE FURNISHED & INSTALLED.

TYPE OF CIRCUIT	CIRCUIT NUMBER OR NAME
STR - STROBE CIRCUIT	A TO G - STROBE OR SPEAKER CIRCUIT NUMBER
SPK - SPEAKER CIRCUIT	ATC - CIRCUIT TO ADDRESSABLE TERMINAL STRIP CABINET
ALD - ALD LOOP DEVICE CIRCUIT (EXCEPT SMOKE DETECTOR)	PS - CIRCUIT TO PULL STATIONS
TEL - TELEPHONE CIRCUIT	ELEV - CIRCUIT TO ELEVATOR LOBBY AND ELEVATOR MACHINE ROOM SMOKE DETECTORS
SD - SMOKE DETECTOR CIRCUIT	HVAC - CIRCUIT TO HVAC SMOKE DETECTOR
MPJ - MAINTENANCE PHONE JACK CIRCUIT	IC - CIRCUIT TO OPEN AREA SMOKE DETECTOR
WP - WARDEN TELEPHONE CIRCUIT	IC - INTERFACE CABINET CIRCUIT
SJ - STAND PIPE PHONE JACK CIRCUIT	TIB - TENANT INTERFACE BOX

TERMINATION LEGEND (EXISTING AND ADDITIONS)



TYPICAL SHIELD/DRAIN INSULATING METHOD "A"



NOTES:

1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
2. ALL SHIELDS MUST BE ISOLATED FROM GROUND, APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE TYPICAL SHIELD/DRAIN INSULATING METHOD "A" ON THIS DWG.
3. ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENS, SHORTS & STRAY VOLTAGES.
4. ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

Sheet 36 of 84

THE PORT AUTHORITY
OF NEW YORK AND
NEW JERSEY

ENGINEERING PROGRAM MANAGER
WORLD TRADE
CENTER ELECTRICAL ENGINEER

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-861-573 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 11/10/99
CONTRACT MGR/ARCH.
ENGINEERING PROGRAM MGR

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD
TRADE
CENTER

ELECTRICAL
Title
FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
5 WTC 3rd, 4th, 5th & 6th FLOORS

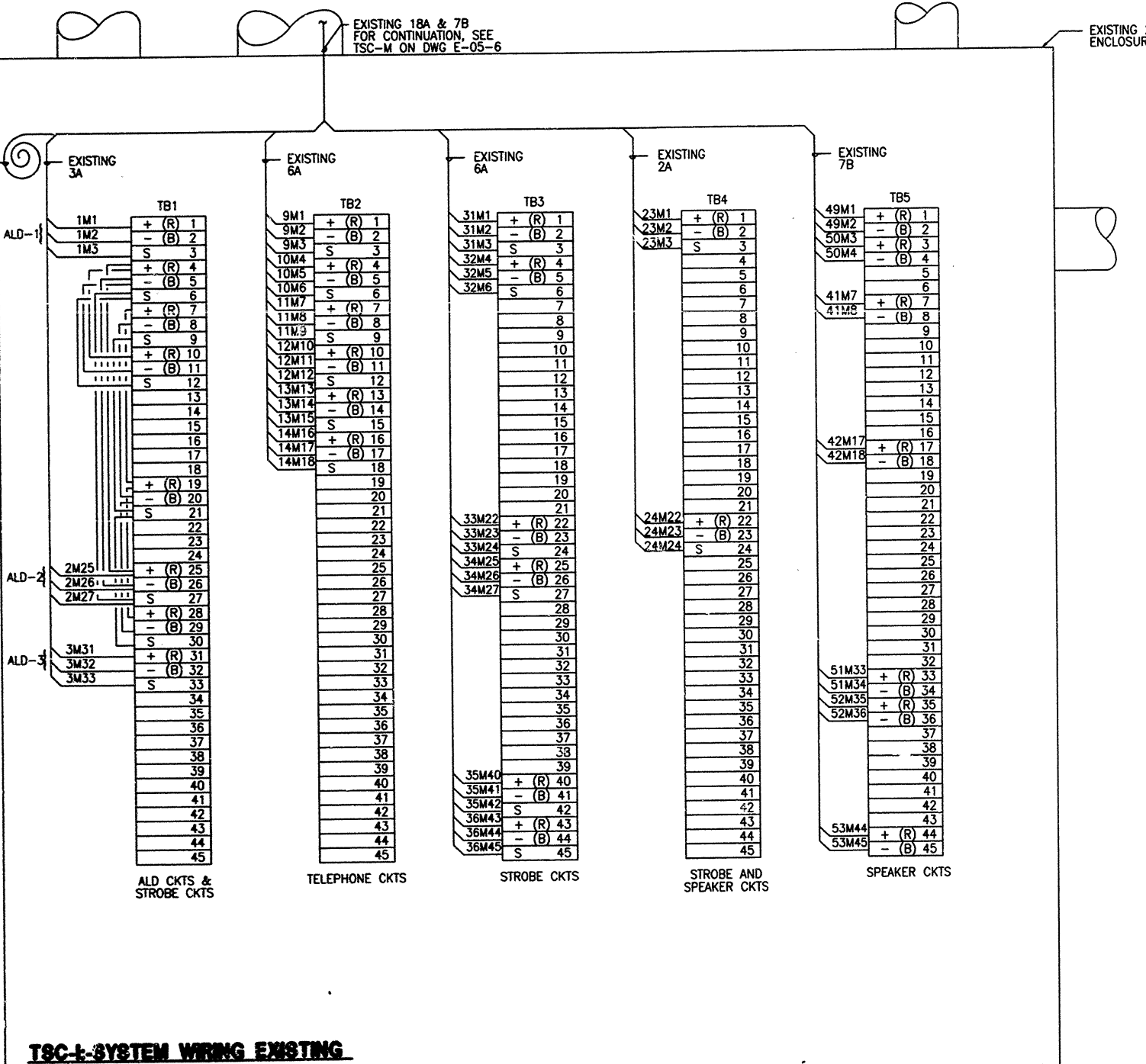
4th FLOOR TSC-I
BLOCK WIRING DIAGRAM
EXISTING AND ADDITIONS

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

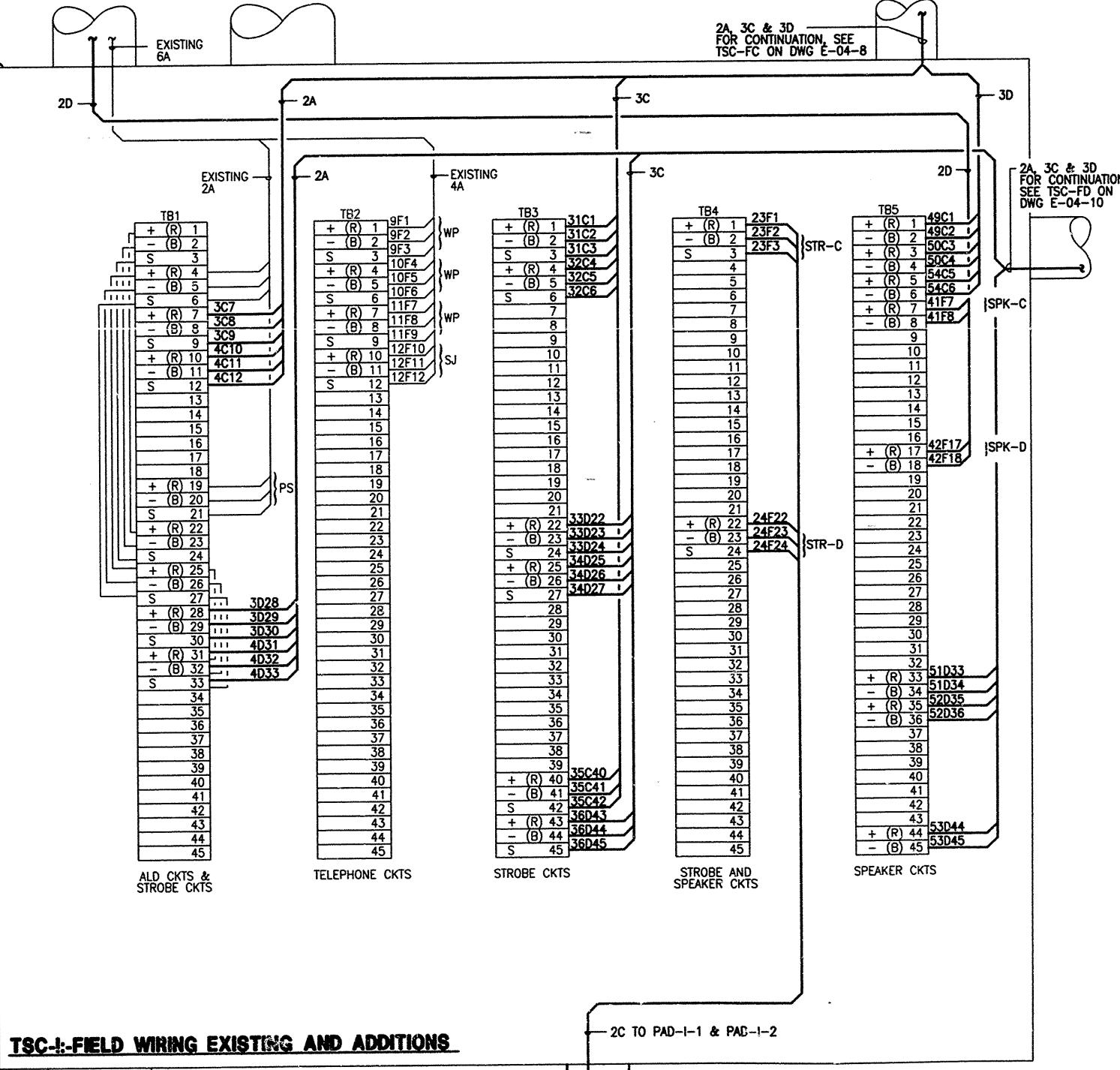
S. FELDSTEIN N. PALACIOS A.S.
Designed by Drawn by Checked by

NOVEMBER 26, 1999
Date

WTC-861.573 E-04-6
Contract Number Drawing Number



TSC-I-SYSTEM WIRING EXISTING



TSC-I-FIELD WIRING EXISTING AND ADDITIONS